



THE OHIO PUBLIC WORKS COMMISSION

65 East State Street, Suite 312, Columbus, Ohio 43215 Phone (614) 466-0880

APPLICATION FOR FINANCIAL ASSISTANCE

Revised 7/93

CB903

IMPORTANT: Applicant should consult the "Instructions for Completion of Project Application" for assistance in the proper completion of this form.

SUBDIVISION: Hamilton County CODE # 06100061

DISTRICT NUMBER: 02 COUNTY: Hamilton DATE 09 / 30 / 94

CONTACT: Joseph P. Niehaus PHONE # (513) 557-7102

(THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE ON A DAY-TO-DAY BASIS DURING THE APPLICATION REVIEW AND SELECTION PROCESS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

PROJECT NAME: Trenchless Technology Sewer Rehabilitation

SUBDIVISION TYPE

(Check Only 1)

- ☒ 1. County
☐ 2. City
☐ 3. Township
☐ 4. Village
☐ 5. Water/Sanitary District
(Section 6119 O.R.C.)

FUNDING TYPE REQUESTED

(Check All Requested & Enter Amount)

- ☐ 1. Grant \$ _____
☒ 2. Loan \$ 1,500,000
☐ 3. Loan Assistance \$ _____

MBE SET-ASIDE OFFERED

Construction \$ _____
Procurement \$ _____

PROJECT TYPE

(Check Largest Component)

- ☐ 1. Road
☐ 2. Bridge/Culvert
☐ 3. Water Supply
☒ 4. Wastewater
☐ 5. Solid Waste
☐ 6. Stormwater

TOTAL PROJECT COST: \$ 2,997,668 FUNDING REQUESTED: \$ 1,500,000

DISTRICT RECOMMENDATION

To be completed by the District Committee ONLY

GRANT: \$ _____

LOAN: \$ 1,500,000

LOAN ASSISTANCE: \$ _____

% 3 TERM: 20 yrs. (Attach Loan Supplement)

(Check Only 1)

- ☒ State Capital Improvement Program
☐ Local Transportation Improvements Program
☐ Small Government Program

DISTRICT MBE SET-ASIDE:

Construction \$ _____
Procurement \$ _____

FOR OPWC USE ONLY

PROJECT NUMBER: C____ / C____

Local Participation _____ %

OPWC Participation _____ %

Project Release Date: _____

OPWC Approval: _____

APPROVED FUNDING: \$

Loan Interest Rate: _____ %

Loan Term: _____ years

Maturity Date: _____

Date Approved: _____

1.0 PROJECT FINANCIAL INFORMATION

1.1 PROJECT ESTIMATED COSTS:

(Round to Nearest Dollar)

- a.) Project Engineering Costs:
- 1. Preliminary Engineering \$.00
 - 2. Final Design \$.00
 - 3. Other Engineer's Services* \$.00
 - Supervision \$.00
 - Miscellaneous \$.00
- b.) Acquisition Expenses:
- 1. Land \$.00
 - 2. Right-of-Way \$.00
- c.) Construction Costs: \$ 2,997,668.00
- d.) Equipment Purchased Directly: \$.00
- e.) Other Direct Expenses: \$.00
- f.) Contingencies: \$.00
- g.) TOTAL ESTIMATED COSTS: \$ 2,997,668.00

MBE \$	Force Account \$
<u> </u>	<u> </u>
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1.2 PROJECT FINANCIAL RESOURCES:

(Round to Nearest Dollar and Percent)

- | | | % |
|--|-------------------------|-----------------------------|
| a.) Local In-Kind Contributions | \$ <u> .00</u> | <u> </u> |
| b.) Local Public Revenues | \$ <u>1,497,668.00</u> | <u>50</u> |
| c.) Local Private Revenues | \$ <u> .00</u> | <u> </u> |
| d.) Other Public Revenues | | |
| 1. ODOT PID# <u> </u> | \$ <u> .00</u> | <u> </u> |
| 2. EPA/OWDA | \$ <u> .00</u> | <u> </u> |
| 3. OTHER | \$ <u> .00</u> | <u> </u> |

SUB-TOTAL LOCAL RESOURCES: \$ 1,497,668.00 50

- e.) OPWC Funds
- 1. Grant \$.00
 - 2. Loan \$ 1,500,000.00
 - 3. Loan Assistance \$.00

SUB-TOTAL OPWC RESOURCES: \$ 1,500,000.00 50

f.) TOTAL FINANCIAL RESOURCES: \$ 2,997,668.00 100%

*Other Engineer's Services must be outlined in detail on the required certified engineer's estimate.

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a summary from the Chief Financial Officer listed in section 5.2 listing all local share funds budgeted for the project and the date they are anticipated to be available.

2.0 PROJECT INFORMATION

IMPORTANT: If project is multi-jurisdictional, information must be consolidated in this section.

2.1 PROJECT NAME: Trenchless Technology Sewer Rehabilitation

2.2 BRIEF PROJECT DESCRIPTION - (Sections a through d):

a.) **SPECIFIC LOCATION:** The Metropolitan Sewer District of Greater Cincinnati serves 800,000 residents in a 400 square mile area, and includes 33 municipalities and unincorporated areas within Hamilton County. The District maintains 2,700 miles of sanitary and combined sewers, 6 major wastewater treatment plants, 23 extended aeration treatment plants, 120 package lift stations, and 8 major pumping stations. Please see CIP No. 94-35 Lining Contract C for specific locations.

PROJECT ZIP CODE: _____

b.) **PROJECT COMPONENTS:** Rehabilitation of existing sanitary and combined sewers using trenchless technology.

c.) **PHYSICAL DIMENSIONS/CHARACTERISTICS:** Diameter of existing sewers: 8", 12", 15", 18", 21", 24" and 36".

d.) **DESIGN SERVICE CAPACITY:**

IMPORTANT: Detail shall be included regarding current service capacity vs proposed service level.

If road or bridge project, include ADT. If water or wastewater project, include both current residential rates based on monthly usage of 7,756 gallons per household.

Attach current rate ordinance.

Based on 7,756 gallons per month. The current residential monthly rate is \$21.95.

2.3 **USEFUL LIFE/COST ESTIMATE:** Project Useful Life: 40 Years.

3.0 REPAIR/REPLACEMENT or NEW/EXPANSION:

TOTAL PORTION OF PROJECT REPAIR/REPLACEMENT	\$2,997,668	100%
State Funds Requested for Repair and Replacement	\$1,500,000	50%

TOTAL PORTION OF PROJECT NEW/EXPANSION	\$	%
State Funds Requested for New and Expansion	\$	%

(SCIP Project Grant Funding for New and Expansion cannot exceed 50% of the total Project Costs.)

4.0 PROJECT SCHEDULE:*

	BEGIN DATE	END DATE
4.1 Engineering/Design:	07 / 01 / 94	12 / 30 / 94
4.2 Bid Advertisement:	10 / 15 / 95	12 / 15 / 95
4.3 Construction:	03 / 01 / 96	12 / 31 / 96

* Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be approved in writing by the Commission once the Project Agreement has been executed. Dates should assume project agreement approval/release on July 1st of the Program Year applied for.

5.0 APPLICANT INFORMATION:

5.1 CHIEF EXECUTIVE

OFFICER	Mr. David J. Krings
TITLE	Hamilton County Administrator
STREET	County Administration Building, Room 603
	Cincinnati, Ohio 45202
CITY/ZIP	
PHONE	(513) 632 - 8225
FAX	(513) 632 - 5797

5.2 CHIEF FINANCIAL

OFFICER	Mr. Raymond J. Fern
TITLE	Director of Budget and Research
STREET	County Administration Building, Room 607
	Cincinnati, Ohio 45202
CITY/ZIP	
PHONE	(513) 632 - 8888
FAX	(513) 632 - 5797

5.3 PROJECT MANAGER

TITLE	Mr. Thomas J. Quinn
STREET	Director, MSDGC
	1600 Gest Street
	Cincinnati, Ohio 45204
CITY/ZIP	
PHONE	(513) 244 - 5121
FAX	(513) 244 - 1399

6.0 ATTACHMENTS/COMPLETENESS REVIEW:

Check each section below, confirming that all required information is included in this application.

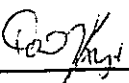
- X A certified copy of the legislation by the governing body of the applicant authorizing a designated official to submit this application and execute contracts. (Attach)
- X A summary from the applicant's Chief Financial Officer listing all local share funds budgeted for the project and the date they are anticipated to be available. (Attach)
- X A registered professional engineer's estimate of projects useful life and cost estimate, as required in 164-1-14 and 164-1-16 of the Ohio Administrative Code. Estimates shall contain engineer's original seal and signature. (Attach)
- NA A copy of the cooperation agreement(s) if this project involves more than one subdivision or district. (Attach)
- X Capital Improvements Report: (Required by 164 O.R.C. on standard form)
 A: Attached.
X B: Report/Update Filed with the Commission within the last twelve months.
- NA Floodplain Management Permit: Required if project is in 100 year floodplain. See Instructions.
- X Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), and other information to assist your district committee in ranking your project.

7.0 APPLICANT CERTIFICATION:

The undersigned certifies that: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) that to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) that all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving minority business utilization, Buy Ohio, and prevailing wages.

IMPORTANT: Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement and a Notice To Proceed for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding of the project.

Mr. David J. Krings, Hamilton County Administrator
Certifying Representative (Type or Print Name and Title)


Signature/Date Signed

September 30, 1994

OHIO PUBLIC WORKS COMMISSION LOAN SUPPLEMENT

This supplement is required for all loan applicants.

Attach the following to the "Ohio Public Works Commission Application for Assistance"

- ☒ Copy of Legislation authorizing current rates.
- ☒ A statement from applicant's Chief Fiscal Officer certifying method of repayment.
- ☒ A copy of previous year Financial Statement.

Complete the following:

NUMBER OF CUSTOMERS	Water	Sewer
Residential		198,000
Commerical		21,000
Industrial		990
Other		

SYSTEM EXPENDITURES	Water	1994 Budget See Attached Sewer
Operation Expenses		\$64,284,000
Debt Service Payments		22,578,000
Surplus		
General Fund Transfer		
Other		1,910,000

RATES	Water	Sewer
Current		See Attached Resolution
Last Increase (year and amount)		1993 - 20%
Planned Increase		1995 - 0%

RATINGS	Moody's	S&P	General Obligation	Audited 1993 Revenues
	A1	AA-	N/A	\$93,000,000

DEBT OUTSTANDING (do not include new OPWC loan)	Total Debt	Annual Payment	Last Payment Date
Other OPWC loans			
Revenue Bonds	\$233,565,000	18,459,000	Various
GO Bonds			
Other	12,423,000	2,395,000	Various

See audit 1993 financial statements pages 11 and 13, official statement for 1993 bond issue page 11, and 1994 budget projection.

City of Cincinnati



Interdepartment
Correspondence Sheet

Date 9/9/94

To Joseph P. Niehaus, P.E., Superintendent, Planning and Program

From G. Stephen Minges, P.E., P.S., Superintendent, Wastewater Collection

Copies to Director File, Division File, Reading File, CIP File #94-35

Subject **CIP 94-35 SANITARY SEWER NO. 3710 TRENCHLESS TECHNOLOGY**

The attached table shows 147 locations identified by the Wastewater Collection Division for internal sewer pipe rehabilitation. This project is scheduled to be funded under Capital Improvement Project No. 94-35, Sanitary Sewer No. 3710 Trenchless Technology. The engineers estimated construction cost for this project is \$2,997,667.80, it is also estimated that this technology will extend the useful life of the sewer by forty years.

G. Stephen Minges
G. Stephen Minges, P.E., #E-43087

GSM/baah
Attachment



Trenchless Technology C.I.P. 94-35

File Number	Project Address	Municipality	CIP Number	Pipe Size	Number of Taps	Lineal Feet	Rating
001/93C	1201 AVON DR	AVONDALE	94-35	8	1	20.4	2.0
002/93C	4550 PADDOCK RD	AVONDALE	94-35	8	0	89.3	2.0
003/93C	6224 BETTS AV	N COLLEGE HILL	94-35	8	2	251	4.0
004/93C	6955 CARROLL AV	SYCAMORE TWP	94-35	8	9	297	3.0
005/93C	1937 CATALPA AV	N COLLEGE HILL	94-35	8	16	389	3.0
006/93C	16 CROMWELL RD	GREEN HILLS	94-35	8	6	152	4.0
007/93C	24 CROMWELL RD	GREEN HILLS	94-35	8	3	145	3.0
008/93C	8010 DALTON AV	DEER PARK	94-35	8	7	375	2.0
009/93C	124 E STATE AV	CLEVES	94-35	8	4	206	4.0
010/93C	2030 EMERSON AV	N COLLEGE HILL	94-35	8	8	327	2.0
011/93C	2042 EMERSON AV	N COLLEGE HILL	94-35	8	0	47.2	2.0
012/93C	13 FOXWORTH CT	GREEN HILLS	94-35	8	2	165	3.0
013/93A	253 FLEMING RD	WYOMING	94-35	8	0	150	2.0
014/93C	245 FLEMING RD	WYOMING	94-35	8	0	38.0	2.0
015/93C	1533 FOGLE AV	N COLLEGE HILL	94-35	8	6	225	3.0
016/93C	1627 FOGLE AV	N COLLEGE HILL	94-35	8	1	248	1.5
017/93C	41 FLANDERS LN	GREEN HILLS	94-35	8	1	240	3.0
018/93C	61 GAMBIE CR	GREEN HILLS	94-35	8	6	168	4.0
019/93C	53 GAMBIE CR	GREEN HILLS	94-35	8	10	216	4.0
020/93C	153 HARRISON AV	CLEVES	94-35	8	16	395	3.0
021/93C	50 IRELAND AV	GREEN HILLS	94-35	8	9	232	4.0
022/93C	4951 HEUWERTH AV	COVEDALE	94-35	8	2	167	2.0
023/93C	2901 LOSANTIRIDGE AV	GOLF MANOR	94-35	8	8	313	3.0
024/93C	2934 LOSANTIRIDGE AV	GOLF MANOR	94-35	8	7	290	4.0
027/93C	24 CREEMER RD	CLEVES	94-35	8	17	509	3.0
028/93C	6500 MONTGOMERY RD	PLEASANT RIDGE	94-35	8	8	409	4.0

Trenchless Technology C.I.P. 94-35

File Number	Project Address	Municipality	CIP Number	Pipe Size	Number of Taps	Lineal Feet	Rating
0229/93C	1619 SUMMIT RD	ROSELAWN	94-35	8	6	250	1.0
0330/93C	3774 O'LEARY AV	DEER PARK	94-35	8	12	298	3.0
0331/93C	3798 O'LEARY AV	DEER PARK	94-35	8	11	288	2.0
0332/93C	5048 RALPH AV	COVEDALE	94-35	8	13	343	4.0
0333/93C	5252 RALPH AV	GREEN TWP	94-35	8	2	250	2.0
0334/93C	2 LINDEN LN	WYOMING	94-35	8	2	197	2.0
0335/93C	301 REILY RD	WYOMING	94-35	8	3	249	3.0
0336/93C	300 REILY RD	WYOMING	94-35	8	0	237	2.0
0337/93C	233 REILY RD	WYOMING	94-35	8	3	237	2.0
0338/93C	225 REILY RD	WYOMING	94-35	8	1	133	3.0
0339/93C	5279 RELLUK DR	COVEDALE	94-35	8	3	103	3.0
0400/93C	1669 ROCKFORD PL	NORTHSIDE	94-35	8	7	214	2.5
0401/93C	1681 ROCKFORD PL	NORTHSIDE	94-35	8	1	161	3.0
0402/93C	1055 SHUMARD AV	LINCOLN HGTS	94-35	8	16	323	2.5
0403/93C	7329 SCOTTWOOD AV	ROSELAWN	94-35	8	16	277	4.0
0404/93C	7305 SCOTTWOOD AV	ROSELAWN	94-35	8	4	131	3.5
0405/93C	3930 ST JOHNS AV	DEER PARK	94-35	8	12	297	1.0
0406/93C	4026 ST JOHNS AV	DEER PARK	94-35	8	4	123	3.0
0407/93C	3782 ST JOHNS AV	DEER PARK	94-35	8	14	397	2.0
0408/93C	5306 WALTELLA PL	NORWOOD	94-35	8	7	151	3.0
0409/93C	6807 WOOSTER PK	MARIEMONT	94-35	8	11	233	2.0
0500/93C	4352 MATSON AV	DEER PARK	94-35	8	11	277	
0501/93C	4392 MATSON AV	DEER PARK	94-35	8	13	312	2.5
0502/93C	4368 MATSON AV	DEER PARK	94-35	8	12	297	3.0
0503/93C	2176 AMOR PL	FAIRMOUNT	94-35	12	15	302	2.5
0504/93C	6110 HIGHLAND AV	ELMWOOD PL	94-35	10	7	297	3.0

Trenchless Technology C.I.P. 94-35

File Number	Project Address	Municipality	CIP Number	Pipe Size	Number of Taps	Lineal Feet	Rating
055/93C	7372 ELIZABETH ST	MT HEALTHY	94-35	10	1	58.5	3.0
056/93C	7366 ELIZABETH ST	MT HEALTHY	94-35	10	2	96.0	2.0
057/93C	7724 MONTICELLO AV	DEER PARK	94-35	10	4	243	4.0
058/93C	3024 PORTSMOUTH AV	HYDE PARK	94-35	10	8	249	2.0
059/93C	8969 APPLEWOOD DR	SYCAMORE TWP	94-35	12	9	227	1.0
060/93C	3518 BELDARE AV	CLIFTON	94-35	12	14	183	2.0
061/93C	1220 BLANCHARD AV	PRICE HILL	94-35	12	10	131	3.0
062/93C	1545 CENTRAL AV	DOWNTOWN	94-35	12	12	153	3.0
063/93C	5917 BOMARK CT	BLUE ASH	94-35	12	1	253	2.5
064/93C	1021 DEPOT ST	QUEENSGATE	94-35	12	8	133	2.0
065/93C	334 DONHAM AV	EAST END	94-35	12	6	158	2.0
066/93C	3929 DAVIS AV	CHEVIOT	94-35	12	11	257	1.5
067/93C	3944 DAVIS AV	CHEVIOT	94-35	12	3	63.0	1.5
068/93C	3945 DAVIS AV	CHEVIOT	94-35	12	2	71.5	1.5
069/93C	3928 DREW AV	GREEN TWP	94-35	12	4	254	4.0
070/93C	3415 MOULTON AV	PRICE HILL	94-35	12	6	174	3.0
071/93C	1817 FAIRMOUNT AV	FAIRMOUNT	94-35	12	5	64.5	3.0
072/93C	910 FINDLAY ST	DOWNTOWN	94-35	12	11	124	3.0
073/93C	9352 FLORAL AV	BLUE ASH	94-35	12	23	237	2.0
074/93C	616 RUTH LYONS LN	DOWNTOWN	94-35	12	23	237	3.5
075/93C	4072 GLENDALE-MILFORD RD	EVENDALE	94-35	12	5	283	4.0
076/93C	4509 HARRISON AV	ROSSMOYNE	94-35	12	7	228	2.5
077/93C	203 N MIAMI AV	CLEVES	94-35	8	10	386	2.0
078/93C	1135 HOMESIDE AV	COLLEGE HILL	94-35	12	8	127	4.0
079/93C	3120 RIVER RD	SEDAMSVILLE	94-35	12	1	128	2.0
080/93C	3082 INWOOD PL	EVENDALE	94-35	12	2	216	3.0

Trenchless Technology C.I.P. 94-35

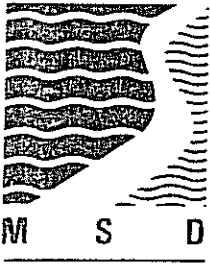
File Number	Project Address	Municipality	CIP Number	Pipe Size	Number of Taps	Lineal Feet	Rating
081/93C	3090 INWOOD PL	EVENDALE	94-35	12	0	310	3.0
082/93C	8703 LANCASTER AV	DEER PARK	94-35	12	5	233	3.0
083/93C	8657 LANCASTER AV	DEER PARK	94-35	12	2	232	3.0
084/93C	478 VIEWLAND AV	DELHI TWP	94-35	12	0	132	1.0
085/93C	322 E LIBERTY ST	DOWNTOWN	94-35	12	16	190	2.0
086/93C	8627 MONROE AV	ROSSMOYNE	94-35	12	12	267	2.0
087/93C	2655 OCOSTA AV	WESTWOOD	94-35	12	10	249	3.0
088/93C	2635 OCOSTA AV	WESTWOOD	94-35	12	2	151	3.0
089/93C	4772 S RAE BURN LN	MT AIRY	94-35	12	5	259	2.5
090/93C	1 E ODGEN AL	DOWNTOWN	94-35	12	3	179	2.0
091/93C	76 RITCHIE AV	WYOMING	94-35	12	17	293	2.0
092/93C	4520 SECTION RD	AMBERLY VILLAGE	94-35	12	4	291	1.5
093/93C	3469 SECTION RD	AMBERLEY VILLAGE	94-35	12	2	141	1.0
094/93C	3483 SECTION RD	AMBERLEY VILLAGE	94-35	12	0	147	1.0
095/93C	1242 GARDENVIEW CR	WYOMING	94-35	12	1	391	2.0
096/93C	5 RITCHIE AV	WYOMING	94-35	12	0	90.5	2.0
097/93C	10677 SHARONDALE RD	SHARONVILLE	94-35	12	0	121	1.0
098/93C	10723 SHARONDALE RD	SHARONVILLE	94-35	12	0	300	2.0
099/93C	10731 SHARONDALE RD	SHARONVILLE	94-35	12	0	298	2.0
100/93C	10773 TEAL DR	SHARONVILLE	94-35	12	0	260	2.0
101/93C	10789 TEAL DR	SHARONVILLE	94-35	12	0	296	2.0
102/93C	3718 VERBENA DR	SHARONVILLE	94-35	12	0	326	3.0
103/93C	3714 VERBENA DR	SHARONVILLE	94-35	12	0	241	3.5
104/93C	10882 THORNVIEW DR	SHARONVILLE	94-35	12	0	246	2.5
105/93C	3735 ANTIOCH CT	SHARONVILLE	94-35	12	0	229	3.0
106/93C	3730 THORNVIEW DR	SHARONVILLE	94-35	12	0	151	3.0

Trenchless Technology C.I.P. 94-35

File Number	Project Address	Municipality	CIP Number	Pipe Size	Number of Taps	Lineal Feet	Rating
107/93C	8 W SEVENTH ST	DOWNTOWN	94-35	12	8	126	3.0
108/93C	1810 WESTWOOD AV	FAIRMOUNT	94-35	12	11	138	4.0
109/93C	1819 WESTWOOD AV	FAIRMOUNT	94-35	12	12	132	5.0
110/93C	4211 WOODLAWN AV	ROSSMOYNE	94-35	12	6	269	3.0
111/93C	4231 WOODLAWN AV	ROSSMOYNE	94-35	12	13	290	3.0
1112/93C	4222 WOODLAWN AV	ROSSMOYNE	94-35	12	8	233	3.0
1113/93C	2 E COURT ST	DOWNTOWN	94-35	15	10	172	2.0
1114/93C	2121 GEST ST	QUEENSGATE	94-35	15	6	134	4.0
1115/93C	2985 HULL AV	WESTWOOD	94-35	15	6	96.0	5.0
1116/93C	3620 EPWORTH AV	WESTWOOD	94-35	15	9	105	4.0
1117/93C	1714 JOHN ST	WEST END	94-35	15	9	75.5	4.0
1118/93C	2745 MARKBREIT AV	OAKLEY	94-35	15	15	150	3.0
1119/93C	2212 AMOR AV	FAIRMOUNT	94-35	18	17	150	3.0
120/93C	2224 AMOR AV	FAIRMOUNT	94-35	18	8	145	2.5
121/93C	2234 AMOR AV	FAIRMOUNT	94-35	18	4	146	3.0
122/93C	3034 COLERAIN AV	CAMP WASH	94-35	18	11	156	3.0
123/93C	3328 WESTBOURNE DR	GREEN TWP	94-35	18	0	301	3.0
124/93C	1937 GEST ST	QUEENSGATE	94-35	15	14	138	2.0
125/93C	2227 SYMMES RD	WALNUT HILLS	94-35	21	17	145	3.0
126/93C	814 HAWTHORNE AV	PRICE HILL	94-35	24	11	106	3.0
127/93C	205 OAK ST	CORRYVILLE	94-35	24	3	38.6	3.0
128/93C	201 OAK ST	CORRYVILLE	94-35	24	4	76.9	3.5
129/93C	3842 HYDE PARK AV	OAKLEY	94-35	36	2	145	2.0
130/93C	PARSONS ST	EAST END	94-35	36	0	67.0	2.0
131/93C	PARSONS ST	EAST END	94-35	36	7	232	2.0
132/93C	10809 TEAL DR	SHARONVILLE	94-35	12	0	220	1.0

Trenchless Technology C.I.P. 94-35

File Number	Project Address	Municipality	CIP Number	Pipe Size	Number of Taps	Lineal Feet	Rating
133/93C	7257 BERWOOD DR	MADIERA	94-35	12	8	236	1.0
134/93C	7251 BERWOOD DR	MADIERA	94-35	12	8	249	1.5
135/93C	7269 BERWOOD DR	MADIERA	94-35	12	10	302	0.5
136/93C	637 MIAMI AV	CLEVES	94-35	8	7	290	1.5
137/93C	2711 PRICE AV	PRICE HILL	94-35	12	11	197	1.5
138/93C	1625 W BELMAR PL	N COLLEGE HILL	94-35	8	8	198	2.0
139/93C	4828 GLENWAY AV	COVEDALE	94-35	15	7	162	2.0
140/93C	4820 GLENWAY AV	COVEDALE	94-35	15	7	164	2.0
141/93C	1515 PROVIDENCE ST	DOWNTOWN	94-35	12	4	46.0	2.5
142/93C	4336 SIMPSON AV	MADISONVILLE	94-35	18	11	200	1.5
143/93C	1481 CLOVERKNOLL DR	N COLLEGE HILL	94-35	12	0	178	2.0
144/93C	3718 MARYDELL AV	CHEVIOT	94-35	24	4	242	3.0
145/93C	316 W 15TH ST	DOWNTOWN	94-35	15	8	172	3.0
146/93C	7009 WOOSTER PK	MARIEMONT	94-35	8	14	353	3.0
147/93C	4222 OAKWOOD AV	DEER PARK	94-35	8	8	309	3.0



January 11, 1995

Office of Hamilton County Engineer

Mr. Joseph D. Cottrill
Ohio Public Works Commission District 2 Liaison
County Administration Building, Room 700
138 East Court St.
Cincinnati, OH 45202

METROPOLITAN SEWER DISTRICT

Hamilton County-Managed
by the City of Cincinnati

1600 Gest Street
Cincinnati, Ohio 45204
513 244-5122

Dear Mr. Cottrill:

We appreciate the committee's recommendation for a \$1,500,000 low interest loan for the MSD Trenchless Technology project. The local share, \$1,497,688, has been approved and authorized by the Board of County Commissioners.

Sincerely,

Board of
County Commissioners

Steven J. Chabot
John S. Dowlin
Guy Guckenberger

City Manager

John F. Shirey

Director

Thomas J. Quinn, P.E.

Deputy Director

Michael W. Sweeney, Ph.D., P.E.

Raymond J. Fern
Director of Administrative Services
Hamilton County

RJF/APL/lb



November 1, 1994

Office of Hamilton County Engineer
Mr. Joseph D. Cottrill
Ohio Public Works Commission District 2 Liaison
County Administration Building, Room 700
138 East Court Street
Cincinnati, OH 45202

METROPOLITAN SEWER DISTRICT

Hamilton County-Managed
by the City of Cincinnati

1600 Gast Street
Cincinnati, Ohio 45204
513 244-5122

Subject: Metropolitan Sewer District
Application to Ohio Public Works Commission District 2:
Issue 2 Financial Assistance Program

Dear Mr. Cottrill:

The District performs routine and emergency television inspection of the wastewater collection system. During the inspection process, a video tape is recorded and a manual log sheet completed by the inspector. At the end of the day, the video tape and log sheet are turned in to a technician who reviews the tape along with the log sheet.

During the review process, the technician will determine if any portion of the sewer is in immediate danger of collapse and if so, it will be referred for immediate repair. If pipe is cracked, losing shape, joints are offset, laterals are feeding at the connection, tree roots are intruding at joints, high or low points exist within the section, or other conditions are evident which do not require immediate repair, the information will be recorded and scheduled for future repair.

At times, a section of sewer will warrant total rehabilitation or replacement. A few of many requirements to be considered under rehabilitation is that the sewer does not require enlargement, it must be free of high and low points, it cannot have major offset joints or oval sections of pipe, and it must be cost effective compared to replacement in place. The location and structural integrity of the existing sewer, disruption to traffic, location of existing utilities, condition of the existing street surface, location of structures above or within close proximity to the sewer are additional issues to be considered.

Trenchless technology sewer rehabilitation provides a cost effective solution in a number of situations and as these projects are identified, they are assembled into a package to be included in the District's next upcoming Capital Improvement Program. During past years, the District has averaged approximately 150 trenchless technology sewer sections for each capital improvement project.

Sincerely,

Joseph P. Niehaus, P.E.
Sewers Chief Engineer

JPN/lme(L35)

Board of
County Commissioners

Steven J. Chabot
John S. Dowlin
Guy Guckenberger

City Manager

John F. Shirey

Director

Thomas J. Quinn, P.E.

Deputy Director

Michael W. Sweeney, Ph.D., P.E.

City of Cincinnati

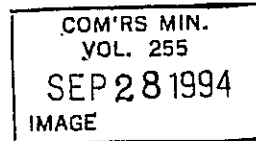


OK
Cg
9.27.94

John F. Shirey
City Manager

Room 152, City Hall
801 Plum Street
Cincinnati, Ohio 45202
Phone (513) 352-3241
Fax (513) 352-6284

September 21, 1994



Honorable Board of County Commissioners
Hamilton County, Ohio
% Mr. David J. Krings
Hamilton County Administrator
County Administration Building, Room 603
Cincinnati, OH 45202

Honorable Commissioners:

Enclosed is a resolution authorizing the County Administrator to apply to the Ohio Public Works Commission District No. 2 for the Issue 2 Financial Assistance Funds. This resolution will enable the County Administrator to take any actions relevant to submitting applications and agreements which have been determined to be economically advantageous to the County.

Recommended:

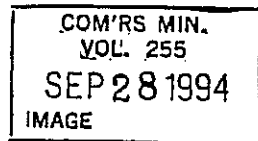
Thomas F. Quinn, P.E.
Director, M.S.D.

Approved:

John F. Shirey
City Manager

On motion of Mr. Chabot, the following resolution was adopted...

The Board of County Commissioners of Hamilton County, Ohio met in regular session on the 28th day of September, 1994, with the following members present: -All Present-



RESOLUTION

AUTHORIZING THE COUNTY ADMINISTRATOR TO APPLY
FOR ISSUE 2 FINANCIAL ASSISTANCE FUNDS FOR
THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

WHEREAS, Issue 2 Financial Assistance Funds may be available from the Ohio Public Works Commission for sewer repair and improvement for the Metropolitan Sewer District, and for credit enhancement, and

WHEREAS, it may be advantageous for the County to apply to District No. 2 for Issue 2 Financial Assistance Funds, and

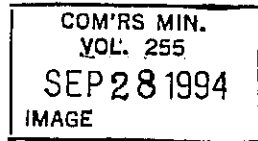
WHEREAS, a single Resolution by this Board will suffice to authorize the Hamilton County Administrator to make any application and execute any contract, deemed economically advantageous by the County.

NOW, THEREFORE, BE IT RESOLVED, by the Board of County Commissioners of Hamilton County, Ohio, that the Hamilton County Administrator be and he hereby is authorized to make application to the Ohio Public Works Commission District No. 2 for Issue 2 Financial Assistance Funds, and

BE IT FURTHER RESOLVED, that this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its committees, if any, which resulted in formal action were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 28th day of September, 1994.

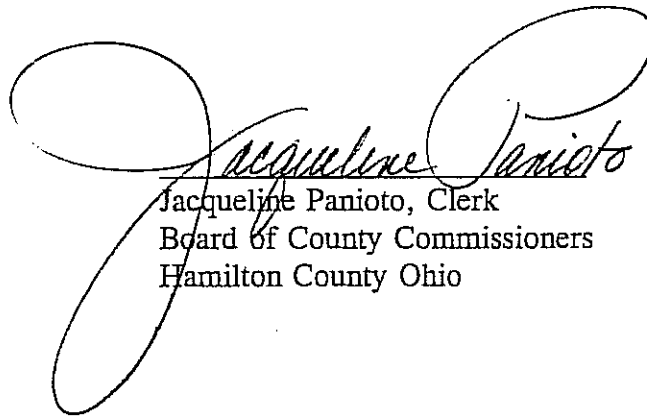
Mr. Chabot AYE Mr. Dowlin AYE Mr. Guckenberger AYE



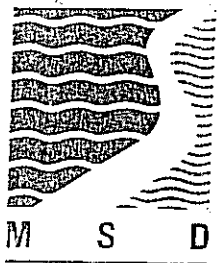
CERTIFICATE OF CLERK

IT IS HEREBY CERTIFIED that the foregoing is a true and correct transcript of resolutions adopted by the Board of County Commissioners in session the 28th day of September, 1994.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Official Seal of the Office of the Board of County Commissioners of Hamilton County, Ohio, this 28th day of September, 1994.



Jacqueline Panioto, Clerk
Board of County Commissioners
Hamilton County Ohio



January 31, 1995

METROPOLITAN SEWER DISTRICT

Hamilton County-Managed
by the City of Cincinnati

1600 East Street
Cincinnati, Ohio 45204
513 244-5122

Board of
County Commissioners

Bob Beengraus
John S. Dowd
Guy Guttenberger

County Administrator

David Kings

City Manager

John F. Shrey

Director

Thomas L. Quinn, P.E.

Deputy Director

Michael A. Sweeney, Ph.D., P.E.

Ms. Kathy Concilla
Program Representative
The Ohio Public Works Commission
65 East State Street, Suite 312
Columbus, OH 43215

Subject: Metropolitan Sewer District
Trenchless Technology Sewer Rehabilitation

Dear Ms. Concilla:

As per your request, enclosed is the engineers cost breakdown for the current trenchless technology application submitted under the Issue 2 Financial Assistance Program.

If additional information is required, please give me a call at (513) 557-7102.

Sincerely,

Joseph P. Niehaus, P.E.
Sewers Chief Engineer

JPN/lme(L39)

Enclosure

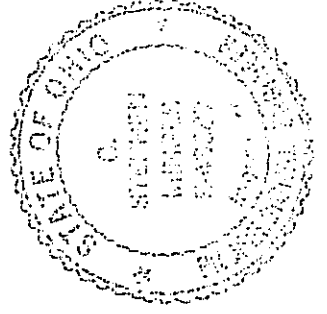
cc: T. Quinn
J. Rennekamp
J. Cottrill, Hamilton Co. Engineers Office

Lining Project Index for CIP No. 94-35

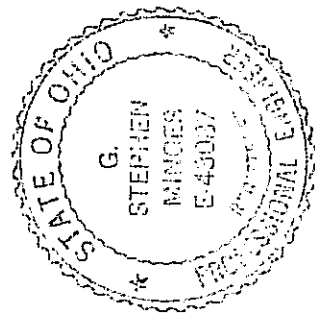
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Page: 1

File No.	Address	Township/Municipality	Rating	No. of Taps	Lineal Feet	Pipe Size	Estimated Cost
001/93C	1201 AVON DR	AVONDALE	2.0	1	20	8	\$1,740.00
38/93C	1625 W BELMAR PL	N COLLEGE HILL		8	197	8	\$16,584.00
004/93C	6955 CARROLL AV	SYCAMORE TWP	3.0	9	297	8	\$24,084.00
227/93C	24 CREEMER/MIAMI RD	CLEVES		17	508	8	\$41,676.00
006/93C	16 CROMWELL RD	GREEN HILLS	4.0	6	151	8	\$12,672.00
008/93C	8010 DALTON AV	DEER PARK	2.0	7	377	8	\$29,244.00
007/93C	43 DAMON RD	GREENHILLS	3.5	2	142	8	\$10,824.00
003/93C	43 DAMON RD	GREENHILLS	2.5	1	26	8	\$2,172.00
10/93C	2030 EMERSON AV	N COLLEGE HILL	2.0	6	327	8	\$25,344.00
11/93C	2042 EMERSON AV	N COLLEGE HILL		0	47	8	\$3,384.00
13/93C	253 FLEMING RD	WYOMING		1	150	8	\$11,100.00
14/93C	245 FLEMING RD	WYOMING		0	38	8	\$2,736.00
15/93C	1533 FOGLE AV	N COLLEGE HILL	3.0	6	224	8	\$17,928.00
16/93C	1627 FOGLE AV	N COLLEGE HILL	1.5	2	247	8	\$18,384.00
12/93C	13 FOXWORTH CT	GREEN HILLS	3.0	2	164	8	\$12,408.00
17/93C	13 FOXWORTH CT	GREEN HILLS		1	240	8	\$17,580.00
18/93C	61 GAMBIER CR	GREEN HILLS	4.0	5	168	8	\$13,596.00
19/93C	53 GAMBIER CR	GREEN HILLS		10	216	8	\$18,552.00
20/93C	153 HARRISON AV	CLEVES	3.0	16	395	8	\$33,240.00
07/93D	4413 HARRISON AV	GREEN TWP	2.0	5	238	8	\$18,600.00
22/93C	4951 HEUWERTH AV	COVEDALE		2	167	8	\$12,624.00
21/93C	50 IRELAND AV	GREEN HILLS	4.0	9	232	8	\$19,404.00
34/93C	2 LINDEN LN	WYOMING	2.0	2	197	8	\$14,784.00
23/93C	2901 LOSANTIRIDGE AV	GOLF MANOR	3.0	8	313	8	\$24,936.00
24/93C	LOSANTIRIDGE AV	GOLF MANOR		7	287	8	\$22,764.00
50/93C	4352 MATSON AV	DEER PARK	2.0	11	277	8	\$23,244.00
51/93C	4392 MATSON AV	DEER PARK	2.5	13	312	8	\$26,364.00
52/93C	4368 MATSON AV	DEER PARK	3.0	12	297	8	\$24,984.00
77/93C	203 N MIAMI AV	CLEVES	2.0	10	386	8	\$30,792.00
66/93C	637 MIAMI AV	CLEVES	1.5	7	290	8	\$22,980.00
28/93C	6500 MONTGOMERY RD	PLEASANT RIDGE	4.0	8	408	8	\$31,776.00
60/93C	3774 O'LEARY AV	DEER PARK	3.0	12	298	8	\$25,056.00
31/93C	3798 O'LEARY AV	DEER PARK	2.0	11	288	8	\$24,036.00
47/93C	4222 OAKWOOD AV	DEER PARK	3.0	8	308	8	\$24,576.00
02/93C	4550 PADDOCK RD	AVONDALE	2.0	0	89	8	\$6,408.00



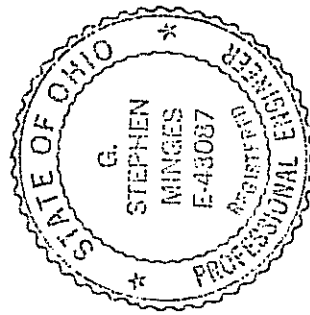
File No.	Address	Township/Municipality	Rating	No. of Taps	Lineal Feet	Pipe Size	Estimated Cost
032/93C	5011 RALPH AV	COVEDALE	4.0	13	343	8	\$28,596.00
035/93C	301 REILY RD	WYOMING	3.0	3	249	8	\$18,828.00
036/93C	300 REILY RD	WYOMING	2.0	0	237	8	\$17,064.00
037/93C	233 REILY RD	WYOMING		3	237	8	\$17,964.00
038/93C	225 REILY RD	WYOMING	3.0	1	133	8	\$9,876.00
039/93C	5279 RELLUK DR	COVEDALE		3	103	8	\$8,316.00
040/93C	1669 ROCKFORD PL	NORTHSIDE	2.5	7	213	8	\$17,436.00
041/93C	1681 ROCKFORD PL	NORTHSIDE	3.0	1	161	8	\$11,892.00
043/93C	7329 SCOTTWOOD AV	ROSELAWN	4.0	16	277	8	\$24,744.00
044/93C	7305 SCOTTWOOD AV	ROSELAWN	3.5	4	131	8	\$10,632.00
042/93C	1055 SHUMARD AV	LINCOLN HEIGHTS	2.5	16	323	8	\$28,056.00
045/93C	3930 ST JOHNS AV	DEER PARK	1.0	12	297	8	\$24,984.00
046/93C	4026 ST JOHNS AV	DEER PARK	3.0	5	123	8	\$10,356.00
047/93C	3808 ST JOHNS AV	DEER PARK	2.0	14	397	8	\$32,784.00
09/93C	124 E STATE AV	CLEVES	4.0	4	205	8	\$15,960.00
29/93C	1619 SUMMIT RD	ROSELAWN	1.0	6	250	8	\$19,800.00
48/93C	5306 WALLELLA PL	NORWOOD	3.0	7	150	8	\$12,900.00
49/93C	6807 WOOSTER PK	MARIEMONT	2.0	11	233	8	\$20,076.00
46/93C	7009 WOOSTER PK	MARIEMONT	3.0	14	353	8	\$29,616.00
55/93C	7372 ELIZABETH/MARTIN ST	MT HEALTHY		1	58	10	\$4,592.00
56/93C	7366 ELIZABETH/MARTIN ST	MT HEALTHY	2.0	2	96	10	\$7,704.00
54/93C	6110 HIGHLAND AV	ELMWOOD PL	3.0	7	297	10	\$24,078.00
57/93C	7724 MONTICELLO AV	DEER PARK	4.0	4	242	10	\$19,108.00
58/93C	3024 PORTSMOUTH AV	HYDE PARK	2.0	8	249	10	\$20,826.00
07/93D	1304 ALDRICH AV	SPRINGFIELD TWP	1.0	2	258	12	\$21,498.00
53/93C	2176 AMOR PL	FAIRMOUNT	2.5	15	302	12	\$28,962.00
33/93D	905 ANDERSON HILLS DR	ANDERSON TWP	2.0	11	352	12	\$31,812.00
05/93C	3735 ANTIOCH CT	SHARONVILLE	3.0	0	229	12	\$18,549.00
59/93C	8969 APPLEWOOD DR	SYCAMORE TWP	1.0	9	227	12	\$21,087.00
46/93D	1318 AVON PL	CAMP WASH	2.5	11	138	12	\$14,478.00
60/93C	3518 BELDARE AV	CLIFTON	2.0	14	183	12	\$19,023.00
33/93C	7257 BERWOOD DR	MADEIRA	1.0	8	236	12	\$21,516.00
34/93C	7251 BERWOOD DR	MADEIRA	1.5	8	249	12	\$22,569.00
35/93C	7269 BERWOOD DR	MADEIRA	0.5	10	302	12	\$27,462.00
61/93C	1220 BLANCHARD AV	PRICE HILL	3.0	10	131	12	\$13,611.00



File No.	Address	Township/Municipality	Rating	No. of Taps	Lineal Feet	Pipe Size	Estimated Cost
063/93C	5917 BOMARK CT	BLUE ASH	2.5	1	253	12	\$20,793.00
085/93C	BUNKER/E LIBERTY AL	DOWNTOWN	2.0	16	190	12	\$20,190.00
062/93C	1545 CENTRAL AV	DOWNTOWN	3.0	12	152	12	\$15,912.00
143/93C	1481 CLOVERKNOLL DR	N COLLEGE HILL	2.0	0	178	12	\$14,418.00
066/93C	3929 DAVIS AV	CHEVIOT	1.5	11	257	12	\$24,117.00
067/93C	3944 DAVIS AV	CHEVIOT		4	63	12	\$6,303.00
068/93C	3945 DAVIS AV	CHEVIOT		2	71	12	\$6,351.00
064/93C	1021 DEPOT ST	QUEENSGATE	2.0	5	132	12	\$12,192.00
065/93C	334 DONHAM AV	EAST END		6	158	12	\$14,598.00
069/93C	3928 DREW AV	GREEN TWP	4.0	4	253	12	\$21,693.00
071/93C	1817 FAIRMOUNT AV	FAIRMOUNT	3.0	5	64	12	\$6,684.00
072/93C	910 FINDLAY ST	DOWNTOWN		11	124	12	\$13,344.00
073/93C	9356 FLORAL AV	BLUE ASH	2.0	23	237	12	\$26,097.00
074/93C	GANO AL	DOWNTOWN	3.5	23	237	12	\$26,097.00
095/93C	1242 GARDENVIEW CR	WYOMING	2.0	1	391	12	\$31,971.00
075/93C	4072 GLENDALE MILFORD RD	EVENDALE	4.0	5	283	12	\$24,423.00
076/93C	4509 HARRISON AV	ROSSMOYNE	2.5	7	228	12	\$20,568.00
078/93C	1135 HOMESIDE AV	COLLEGE HILL	4.0	8	127	12	\$12,687.00
079/93C	ILLINOIS/RIVER RD AV	SEDAMSVILLE	2.0	0	127	12	\$10,287.00
080/93C	3082 INWOOD PL	EVENDALE	3.0	2	216	12	\$18,096.00
081/93C	3090 INWOOD PL	EVENDALE		0	310	12	\$25,110.00
082/93C	8703 LANCASTER AV	DEER PARK		5	233	12	\$20,373.00
083/93C	8657 LANCASTER AV	DEER PARK		2	232	12	\$19,392.00
025/93C	LANCASTER AV	DEER PARK		0	231	12	\$18,711.00
066/93D	1451 LINDY ST	LINCOLN HEIGHTS	3.0	3	199	12	\$17,019.00
008/93C	1939 MADISON RD	O'BRYONVILLE	2.0	4	145	12	\$12,945.00
086/93C	8627 MONROE AV	ROSSMOYNE		12	267	12	\$25,227.00
070/93C	3415 MOULTON AV	PRICE HILL	3.0	6	174	12	\$15,894.00
037/93C	2655 OCOSTA AV	WESTWOOD		10	249	12	\$23,169.00
088/93C	2635 OCOSTA AV	WESTWOOD		2	150	12	\$12,750.00
000/93C	1 E ODGEN AL	DOWNTOWN	2.0	3	179	12	\$15,399.00
037/93C	2711 PRICE AV	PRICE HILL	1.5	11	197	12	\$19,257.00
041/93C	PROVIDENCE ST	DOWNTOWN	2.5	4	46	12	\$4,926.00
099/93C	4844 RAEBURN LN	MT AIRY		5	259	12	\$22,479.00
031/93C	76 RITCHIE AV	WYOMING	2.0	17	292	12	\$28,752.00



File No.	Address	Township/Municipality	Rating	No. of Taps	Lineal Feet	Pipe Size	Estimated Cost
096/93C	5 RITCHIE AV	WYOMING		0	90	12	\$7,290.00
092/93C	4520 SECTION RD	AMBERLEY VILLAGE	1.5	4	291	12	\$24,771.00
093/93C	3469 SECTION RD	AMBERLEY VILLAGE	1.0	2	141	12	\$12,021.00
094/93C	3483 SECTION RD	AMBERLEY VILLAGE		0	147	12	\$11,907.00
097/93C	10677 SHARONDALE RD	SHARONVILLE		0	121	12	\$9,801.00
098/93C	10723 SHARONDALE RD	SHARONVILLE	2.0	0	300	12	\$24,300.00
099/93C	10731 SHARONDALE RD	SHARONVILLE		0	298	12	\$24,138.00
101/93C	10789 TEAL DR	SHARONVILLE		0	296	12	\$23,976.00
132/93C	10809 TEAL DR	SHARONVILLE	1.0	0	220	12	\$17,820.00
100/93C	10773 TEAL DR	SHARONVILLE	2.0	0	260	12	\$21,060.00
04/93C	10882 THORNVIEW DR	SHARONVILLE	2.5	0	246	12	\$19,926.00
06/93C	3730 THORNVIEW DR	SHARONVILLE	3.0	0	151	12	\$12,231.00
02/93C	3718 VERBENA DR	SHARONVILLE		0	326	12	\$26,406.00
03/93C	3714 VERBENA DR	SHARONVILLE	3.5	0	240	12	\$19,440.00
84/93C	478 VIEWLAND AV	DELHI TWP	1.0	0	132	12	\$10,692.00
07/93C	700 VINE ST	DOWNTOWN	3.0	8	125	12	\$12,525.00
10/93C	4211 WOODLAWN AV	ROSSMOYNE		6	269	12	\$23,589.00
11/93C	4221 WOODLAWN AV	ROSSMOYNE		13	290	12	\$27,390.00
12/93C	4231 WOODLAWN AV	ROSSMOYNE		8	233	12	\$21,273.00
13/93C	2 E COURT ST	DOWNTOWN	2.0	10	172	15	\$21,060.00
23/93D	EDEN PARK DR	MT AUBURN	0.5	0	101	15	\$10,605.00
24/93D	EDEN PARK DR	MT AUBURN		0	74	15	\$7,770.00
25/93D	EDEN PARK DR	MT AUBURN	1.0	0	50	15	\$5,250.00
26/93D	EDEN PARK DR	MT AUBURN	4.0	0	52	15	\$5,460.00
45/93C	316 W FIFTEENTH ST	DOWNTOWN	3.0	8	171	15	\$20,355.00
14/93C	2121 GEST ST	QUEENSGATE	4.0	6	134	15	\$15,870.00
39/93C	4828 GLENWAY AV	COVEDALE	2.0	7	162	15	\$19,110.00
40/93C	4820 GLENWAY AV	COVEDALE		7	164	15	\$19,320.00
17/93C	1714 JOHN ST	WEST END	4.0	9	75	15	\$10,575.00
18/93C	2745 MARKBREIT AV	OAKLEY	3.0	15	149	15	\$20,145.00
19/93C	2212 AMOR AV	FAIRMOUNT		17	149	18	\$25,364.00
20/93C	2224 AMOR AV	FAIRMOUNT	2.5	8	145	18	\$22,120.00
21/93C	2234 AMOR AV	FAIRMOUNT	3.0	4	145	18	\$20,920.00
22/93C	3034 COLERAIN AV	CAMP WASH		11	155	18	\$24,380.00
24/93C	2100 GEST ST	QUEENSGATE	2.0	14	137	18	\$22,832.00



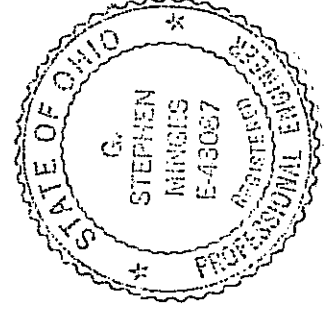
File No.	Address	Township/Municipality	Rating	No. of Taps	Lineal Feet	Pipe Size	Estimated Cost
080/93D	2655 LANGDON FARM RD	BOND HILL	1.5	2	75	18	\$10,800.00
142/93C	4336 SIMPSON AV	MADEIRA		11	199	18	\$30,364.00
125/93C	2227 SYMMES RD	WALNUT HILLS	3.0	17	145	18	\$24,820.00
123/93C	3328 WESTBOURNE DR	GREEN TWP		0	301	18	\$40,936.00
126/93C	814 HAWTHORNE AV	PRICE HILL		11	106	24	\$30,860.00
144/93C	3718 MARYDELL AV	CHEVIOT		4	242	24	\$64,120.00
127/93C	205 OAK ST	CORRYVILLE		3	39	24	\$11,040.00
128/93C	201 OAK ST	CORRYVILLE	3.5	4	77	24	\$21,220.00
055/93D	1619 SYCAMORE ST	MT AUBURN	2.5	2	33	30	\$12,160.80
29/93C	3842 HYDE PARK AV	OAKLEY	2.0	2	145	36	\$51,350.00
30/93C	PARSONS ST	EAST END		0	67	36	\$23,450.00
31/93C	PARSONS ST	EAST END		7	232	36	\$83,300.00

Total Projects: 152

Total Taps: 935

Total Lineal Feet: 31,061

Total Estimated Cost: 2,997,667.80



METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI
LOAN SUPPLEMENT
STATEMENT OF METHOD OF REPAYMENT

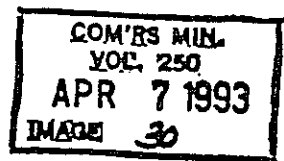
Loan repayments are provided for in the customer user fees charged by the Metropolitan Sewer District (MSD). The Operating Budget approved by the Board of County Commissioners authorizes the payment. MSD does a rate study every other year to insure that the necessary revenues are being generated to sustain operations, pay debt service, and comply with borrowing covenants.



Alan P. Landis
MSD Comptroller

February 6, 1995

Date



The Board of County Commissioners of Hamilton County, Ohio met in regular session on the 7th day of April 1993, with the following members present: Mr. Chabot
Mr. Dowlin
Mr. Guckenberger

6
Resolution fixing rates for sewerage service charges, surcharges, and industrial pretreatment charges for the use of sanitary and combined sewers and for sewage treatment in the Metropolitan Sewer District of Greater Cincinnati.

WHEREAS, the Board of County Commissioners of Hamilton County has since 1924, established sewer districts in accordance with Chapter 6117 of the Ohio Revised Code and constructed and otherwise acquired sanitary trunk sewers throughout the County, and as a result today owns, operates, and maintains a system of sanitary trunk sewers; and

WHEREAS, the Board of County Commissioners did, on February 1, 1955, consolidate all of the previously established sewer districts into a single district known as Hamilton County Sewer District No. 1; and

WHEREAS, the Board of County Commissioners did, on December 4, 1963, complete the consolidation of previously established sewer districts and expand the boundaries of Hamilton County Sewer District No. 1 to be coincident with the boundaries of the County; and

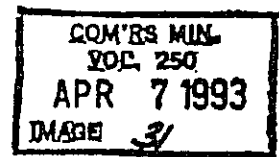
WHEREAS, the Board of County Commissioners did, on April 10, 1968, change the name of the County Sewer district to "THE METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI"; and

WHEREAS, Section 6117.02 of the Ohio Revised Code provides that the Board of County Commissioners may establish a sewer service charge which shall be adequate to provide the cost of the management, maintenance, and operation of the sewers and the cost of sewage treatment and disposal, said sewer service charge to be paid by every person, firm, or corporation whose premises are served by a connection to a sanitary sewer; and

WHEREAS, the Board of County Commissioners did, on December 4, 1968, adopt a Resolution establishing a rate structure for sewerage service charges and surcharges, for sewer service in The Metropolitan Sewer District of Greater Cincinnati, effective January 1, 1969, which has been subsequently amended from time to time; and

WHEREAS, the Director of The Metropolitan Sewer District of Greater Cincinnati and of the Department of Sewers did, on March 29, 1993, submit a recommendation to revise the rate structure for sewerage service charges, surcharges, and industrial pretreatment charges; and

WHEREAS, the Board of County Commissioners did on March 31, 1993, conduct a public hearing on said rate structure;



NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Hamilton County, Ohio:

SECTION 1. From and after April 14, 1993, every person, firm or corporation in The Metropolitan Sewer District of Greater Cincinnati, whose premises are served by a connection to a sanitary or combined sewer which discharges sewage, industrial wastes, water, or other liquids, either directly or indirectly into a County sanitary or combined sewer, shall be charged for the use of the sewers and for the treatment of sewage discharged therein at the following rates:

MINIMUM CHARGE

The sewerage service charge shall consist of a minimum charge and a commodity charge.

The minimum charge shall be based on the size of the water meter used to serve the premises, or the size of the premises served, as determined by the number of units therein, whichever results in the larger minimum charge.

The size of the premises shall be determined by the total number of residential and/or commercial and industrial units that comprise the premises.

Such minimum charge shall include the charge for the first 500 cubic feet of water used in the case of monthly bills; and the first 900 cubic feet of water used, in the case of quarterly bills.

The minimum charge rates shall be as follows:

<u>Meter Size</u> inches	<u>Number of</u> <u>Family Units</u>	<u>Monthly</u> <u>Bills</u> \$	<u>Quarterly</u> <u>Bills</u> \$
5/8	1	14.00	28.75
3/4	2 or 3	16.75	37.05
1	4 or 5	21.50	51.00
1-1/2	6 thru 12	33.50	87.00
2	13 thru 20	46.00	123.00
3	21 thru 50	114.00	319.00
4	51 thru 115	189.00	528.00
6	116 thru 200	370.00	1,042.00
8	Over 250	550.00	1,556.00
10		739.00	2,079.00
12		860.00	2,401.00

For trailer parks the number of family units shall be 75 percent (75%) of the available occupancy.

For hotels and motels the number of family units shall be 50 percent (50%) of the available occupancy.

For commercial establishments each two sets, or part thereof, of sanitary facilities shall be counted as one family unit. A set of sanitary facilities shall be any grouping of water using plumbing fixtures whose total instant demand is not greater than the total instant demand of five, one-half inch, water faucets. Where commercial or manufacturing facilities require more water than required for sanitary



purposes, the minimum charge shall be not less than the minimum charge for a meter one size smaller than the branch serving the premises.

COMMODITY CHARGE

The Commodity Charge shall be based on the quantity of water used on the premises served as same is measured by a water meter or meters therein used, which meters must be acceptable to the City of Cincinnati.

The Commodity Charge shall be as follows:

Monthly Bills

For each 100 cubic feet consumed per month in excess of 500 cubic feet but not in excess of 5,000 cubic feet - \$1.43 per 100 cubic feet.

For each 100 cubic feet consumed per month in excess of 5,000 cubic feet - \$1.16 per 100 cubic feet.

Quarterly Bills

For each 100 cubic feet consumed per quarter in excess of 900 cubic feet but not in excess of 15,000 cubic feet - \$1.43 per 100 cubic feet.

For each 100 cubic feet consumed per quarter in excess of 15,000 cubic feet - \$1.16 per 100 cubic feet.

For residential water service accounts (one and two family residences), a quarterly minimum and commodity charge shall be based upon water used during a winter quarterly billing period; said winter period being the quarterly billing period most closely corresponding to usage during the months of October through April. Said charges shall be payable with each bill rendered throughout the year.

SECTION 2. For customers having high strength waste discharge, the surcharge, which is in addition to the metered use charge, shall be computed on the following basis:

SURCHARGE:

Suspended Solids (SS)	\$0.000796 per 100 cubic feet for each mg/l of SS strength above 300 mg/l.
Biochemical Oxygen Demand (BOD)	\$0.001359 per 100 cubic feet for each mg/l of BOD strength above 240 mg/l.
Nitrogenous Oxygen Demand (NOD)	\$0.001188 per 100 cubic feet for each mg/l of Total Kjeldahl Nitrogen (TKN) strength above 25 mg/l.

Provided, however, that to the extent the strength of a pollutant is less than 80 percent (80%) of the corresponding value for normal strength sewage, a credit shall be allowed as an offset against surcharge otherwise due. The credit shall be calculated by multiplying the herein above specified surcharge rate for the pollutant in question times the difference between actual pollutant concentration in mg/l and 80 percent (80%) of the corresponding value for normal sewage. No credit shall be allowed in excess of surcharge otherwise due.

SECTION 3. All users required to apply for and obtain a wastewater discharge permit or which are subject to federal pretreatment standards, as specified in the MSD Rules and Regulations, shall be subject to the payment of a pretreatment charge(s), as determined by the Director. Said pretreatment



charge(s) shall be sufficient to recover, in whole or in part, the costs for the MSD Pretreatment Program including investigations, record keeping, administration, and monitoring of industrial waste discharges to the system. Each industrial user shall pay a pretreatment charge(s) as follows:

INDUSTRIAL PRETREATMENT CHARGE:

Annual Fee - \$800 per annum

Monitoring Charge - \$5,500 maximum per monitoring event

SECTION 4. Any user which discharges any toxic pollutants which cause an increase in the cost of managing effluent or sludge from the District's treatment system shall pay such increased costs.

SECTION 5. That the sewerage service charges, surcharges, and industrial pretreatment charges shall be applied in accordance with the provisions of the "Rules and Regulations Governing the Maintenance, Operation, and Use of Sanitary and Combined Sewers in The Metropolitan Sewer District of Greater Cincinnati" as adopted by the Board of County Commissioners and as may be modified from time to time.

SECTION 6. All users of the sewage system shall be notified at least annually as to:

- (a) The rate schedule in effect.
- (b) That part of the total charges attributable to user charges for sewage treatment service.

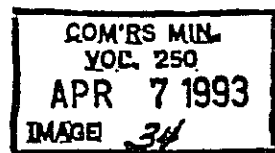
SECTION 7. That the sewerage service charges and surcharges stipulated herein shall be billed on the water bill and shall be payable to the Cincinnati Water Works at the same time as the water bills, or they may be billed and collected by such governmental agencies as are designated by and as are under agreement with the Board of County Commissioners. Charges not paid within the time prescribed shall be certified, together with a penalty of 10 percent (10%) to the County Auditor and collected in accordance with Section 6117.02 of the Ohio Revised Code.

SECTION 8. That industrial pretreatment charges and charges to users for special equipment, materials, and services shall be payable in the same manner as sewerage service charges, or by means of a separate billing.

SECTION 9. Quarterly sewerage service charge and surcharge bills mailed May 14 through June 13, and June 14 through July 13, 1993, shall be prorated at the existing and new rates; those mailed July 14, 1993, and thereafter shall be calculated entirely at the new rates. Monthly sewerage service charge and surcharge bills mailed May 14, 1993, and thereafter shall be calculated at the new rates.

SECTION 10. The Resolution adopted by the Board of County Commissioners on April 24, 1991, fixing rates and charges for sewer service in The Metropolitan Sewer District of Greater Cincinnati is hereby repealed.

SECTION 11. That this Board of County Commissioners hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of the Board of County Commissioners and that all deliberations of this Board of County Commissioners and of its



committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Ohio Revised Code.

ADOPTED at a regularly adjourned meeting of the Board of County Commissioners of Hamilton County, Ohio, this 7th day of April 1993.

Mr. Chabot, AYE

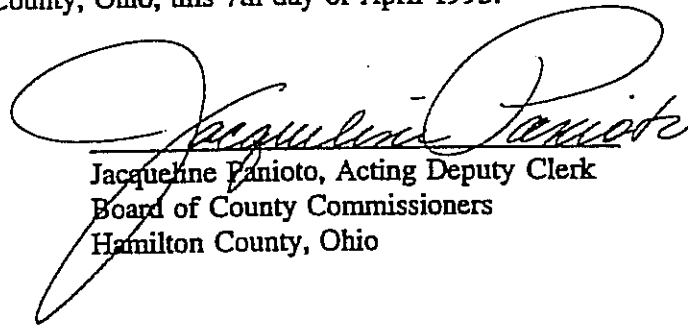
Mr. Dowlin, AYE

Mr. Guckenberger, AYE

CERTIFICATE OF CLERK

IT IS HEREBY CERTIFIED that the foregoing is a true and correct transcript of a Resolution adopted by the Board of County Commissioners in session the 7th day of April 1993.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Official Seal of the Office of County Commissioners of Hamilton County, Ohio, this 7th day of April 1993.



Jacqueline Panioto, Acting Deputy Clerk
Board of County Commissioners
Hamilton County, Ohio

ADDITIONAL SUPPORT INFORMATION

For Program Year 1995 (July 1, 1995 through June 30, 1996), jurisdictions shall provide the following support information to help determine which projects will be funded. Information on this form must be accurate, and where called for, based on sound engineering principles. Documentation to substantiate the individual items may be required by the Support Staff if information does not appear to be accurate.

- 1) What is the condition of the existing infrastructure to be replaced, repaired, or expanded? For bridges, submit a copy of the current State form BR-86.

Closed _____

Poor X

Fair _____

Good _____

Give a brief statement of the nature of the deficiency of the present facility such as: inadequate load capacity (bridge); surface type and width; number of lanes; structural condition; substandard design elements such as berm width, grades, curves, sight distances, drainage structures, or inadequate service capacity. If known, give the approximate age of the infrastructure to be replaced, repaired, or expanded.

The existing condition of the sewers outlined in the Trenchless Technology Program indicate the need to be repaired/replaced in order to maintain the health and well-being of the residents in Hamilton County. The average of the sewers is 40 years.

- 2) If State Capital Improvement Program funds are awarded, how soon (in weeks or months) after receiving the Project Agreement from OPWC (tentatively set for July 1, 1995) would the project be under contract? The Support Staff will be reviewing status reports of previous projects to help judge the accuracy of a particular jurisdiction's anticipated project schedule.

2 weeks/months (Circle one)

Are preliminary plans or engineering completed? Yes No

Are detailed construction plans completed? Yes No

Are all right-of-way and easements acquired?* Yes No N/A

*Please answer the following if applicable:

No. of parcels needed for project: n/a Of these, how many are Takes _____, Temporary _____, Permanent _____

On a separate sheet, explain the status of the ROW acquisition process of this project for any parcels not yet acquired.

Are all utility coordinations completed? Yes No N/A

- 3) How will the proposed project impact the general health, safety and welfare of the service area? (Typical examples may include the effects of the completed project on accident rates, emergency response time, fire protection, health hazards, user benefits, commerce, and highway capacity.) Please be specific and provide documentation if necessary to substantiate the data.

In order to comply with Ohio EPA regulations, State and Municipal Health codes.

MSD must embark upon this Trenchless Technology Program in order to provide sanitary sewer collection to residents throughout Hamilton County and the City of Cincinnati. The Trenchless Technology Program will rehabilitate existing sewers in-place and minimize the amount of exfiltration and Infiltration/Inflow (I/I) into and out of the sanitary sewer system, thereby providing benefit to the health and wellbeing in the surrounding areas of Hamilton County.

- 4) What type of funds are to be utilized for the local share for this project?

Federal _____	ODOT _____	Local _____
MRF _____	OWDA _____	CDBG _____
Other _____		

Note: If MRF funds are being used for the local share, the MRF application must have been filed by August 1, 1994 for this project with the Hamilton County Engineer's Office.

The minimum amount of matching funds for grant projects (local share) must be at least 10% of the TOTAL CONSTRUCTION COST. What percentage of matching funds are being committed to this project?

_____ %

- 5) Has any formal action by a federal, state, or local government agency resulted in a complete or partial ban of the use or expansion of use for the involved infrastructure? (Typical examples include weight limits, truck restrictions, and moratoriums or limitations on issuance of building permits.) A copy of the approved legislation must be submitted with the application. THE BAN MUST HAVE AN ENGINEERING JUSTIFICATION TO BE VALID.

Complete Ban _____ Partial Ban _____ No Ban X

Will the ban be removed after the project is completed?

Yes _____ No _____

- 6) What is the total number of existing users that will benefit as a result of the proposed project?

For roads and bridges, multiply current documented Average Daily Traffic by 1.20. For public transit, submit documentation substantiating the count. Where the facility currently has any restrictions or is partially closed, use documented traffic counts prior to the restriction. For storm sewers, sanitary sewers, water lines, and other related facilities, multiply the number of households in the service area by 4.

- 7) Has the jurisdiction developed a Five Year Capital Improvement Plan as required in O.R.C., chapter 164?

Yes. X No

- 8) Give a brief statement concerning the regional significance of the infrastructure to be replaced, repaired, or expanded.

Rehabilitating the sewers in-place will have a regional impact by keeping

sanitary sewerage in the sewers and not allowing raw sewage to pollute streams,

creeks and back yards of the homes/businesses in the vicinity of the 147

proposed Trenchless Technology CIP locations.

-
- 9) For expansion projects, please provide the existing and proposed Level of Service (LOS) of the facility using the methodology outlined within AASHTO'S "Geometric Design of Highways and Streets" and the 1985 Highway Capacity Manual.

Existing LOS

Proposed LOS

If the proposed LOS is not "C" or better, explain why LOS "C" cannot be achieved. (Attach separate sheets if necessary.)

STATE CAPITAL IMPROVEMENT PROGRAM

ROUND NO. 9

PROGRAM YEAR 1995 PROJECT SELECTION CRITERIA - JULY 1, 1995 TO JUNE 30, 1996

ADOPTED BY THE DISTRICT 2 INTEGRATING COMMITTEE

June 27, 1994

JURISDICTION/AGENCY: HAMILTON COUNTY - MSD

NAME OF PROJECT: TRENCHLESS TECHNOLOGY SEWER REHAB

TOTAL POINTS FOR THIS PROJECT: ~~68~~ RATING TEAM NO. 1

NO. OF
POINTS

59

- 10 1) If SCIP Funds are granted, when would the construction contract be awarded? (The Support Staff will assign points based on engineering experience.)
- 10 Points - Will be under contract by December 31, 1995
 - 5 Points - Will be under contract by March 30, 1996
 - 0 Points - Will not be under contract by March 30, 1996

- ~~16~~ 2) What is the condition of the infrastructure to be replaced or repaired? For bridges, base condition on latest general appraisal and condition rating.

20

- 20 Points - Poor Condition
- 16 Points -
- 12 Points - Fair to Poor Condition
- 8 Points -
- 4 Points - Fair Condition

NOTE: If the infrastructure is in "good" or better condition it will NOT be considered for SCIP funding.

- ~~3~~ 3) If the project is built, what will be its effect on the facility's serviceability?

2

- 5 Points - Significant effect (e.g., widen to and add lanes along entire project)
- 4 Points - Moderate to significant effect
- 3 Points - Moderate effect (e.g., widen exist. lanes)
- 2 Points - Moderate to little effect
- 1 Points - Little or no effect (e.g., street or bridge deck rehabilitation)

- ~~4~~ 4) How important is the project to HEALTH, SAFETY, AND WELFARE of the public and the citizens of the District and/or service area?

8

- 10 Points - Highly significant importance, with substantial impact on all 3 factors
- 8 Points - Considerably significant importance, with substantial impact on 2 factors OR noticeable impact on all 3 factors
- 6 Points - Moderate importance, with substantial impact on 1 factor or noticeable impact on 2 factors
- 4 Points - Minimal importance, with noticeable impact on 1 factor
- 2 Points - No measurable impact

- 6 5) What is the overall economic health of the jurisdiction?

- 10 Points - Poor
- 8 Points -
- 6 Points - Fair
- 4 Points -
- 2 Points - Excellent

- 5 6) What matching funds are being committed to the project, expressed as a percentage of the TOTAL CONSTRUCTION COST? Loan and Credit Enhancement projects automatically receive 5 points, and no match is required. All grant funded projects require a minimum of 10% matching funds.

Loan

- 5 Points - 50% or more
- 4 Points - 40% to 49.99%
- 3 Points - 30% to 39.99%
- 2 Points - 20% to 29.99%
- 1 Point - 10% to 19.99%

0

- 7) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure? POINTS MAY ONLY BE AWARDED IF THE END RESULT OF THE PROJECT WILL CAUSE THE BAN TO BE LIFTED.

5 Points - Complete or significant ban
3 Points - Partial or moderate ban
0 Points - No ban of any kind

~~5~~
2

- 8) What is the total number of existing daily users that will benefit as a result of the proposed project? Appropriate criteria include current traffic counts, households served, when converted to a measurement of persons. Public transit users are permitted to be counted for roads and bridges, but only when certifiable ridership figures are provided.

5 Points - 10,000 or more
4 Points - 7,500 to 9,999
3 Points - 5,000 to 7,499
2 Points - 2,500 to 4,999
1 Point - 2,499 and under

5

- 9) Does the infrastructure have REGIONAL impact? Consider origins and destinations of traffic, functional classification, size of service area, number of jurisdictions served, etc.

5 Points - Major impact (e.g., major multi-jurisdictional route, primary feed route to an Interstate, Federal - Aid Primary routes)
4 Points -
3 Points - Moderate impact (e.g., principal thoroughfares, Federal - Aid Urban routes)
2 Points -
1 Point - Minimal or no impact (e.g., cul-de-sacs, subdivision streets)

1

- 10) Has the jurisdiction enacted the optional \$5 license plate fee, an infrastructure levy, a user fee, or a dedicated tax for infrastructure?

2 Points - Two of the above
1 Point - One of the above
0 Points - None of the above

ADDENDUM TO THE RATING SYSTEM
DEFINITIONS

CRITERION 1 - ABILITY TO PROCEED

The Support Staff will assign points based on:

- 1) Engineering experience
- 2) The information on the Additional Support Information, as verified where necessary.
- 3) The applicant's past SCIP/LTIP record of successfully projecting project schedules on similar types of projects.

If a project rating on this item is reduced by the Support Staff because of a questionable schedule, and still receives funding, the submitting jurisdiction will be permitted to amend the Project Schedule accordingly.

CRITERION 2 - CONDITION

Poor - Condition is dangerous, unsafe or unusable

Fair to Poor - Condition is inadequate or substandard

Fair - Condition is average, not good or poor

CRITERION 5 - ECONOMIC HEALTH

The following factors are used to determine economic health:

- 1) Median per capita income
- 2) Per capita assessed valuation of the total community real estate and personal property
- 3) Poverty indicators
- 4) Effective tax rates
- 5) Total corporate debt as a percentage of assessed valuation
- 6) Municipal revenues and expenditures per capita

CRITERION 9 - REGIONAL IMPACT

Major impact - Primary water or sewer main serving an entire system

Moderate impact - Waterline or storm sewer serving only part of a system

Minimal impact - Individual waterline or storm sewer not part of a system